

Title (en)

FLEXIBLE DISPLAY MODULE AND ELECTRONIC DEVICE INCLUDING THE SAME

Title (de)

FLEXIBLES ANZEIGEMODUL UND ELEKTRONISCHE VORRICHTUNG DAMIT

Title (fr)

MODULE D'AFFICHAGE SOUPLE ET DISPOSITIF ÉLECTRONIQUE LE COMPRENANT

Publication

EP 3850464 A4 20211124 (EN)

Application

EP 19903803 A 20191223

Priority

- KR 20180168215 A 20181224
- KR 20190018900 A 20190219
- KR 2019018296 W 20191223

Abstract (en)

[origin: KR20200079153A] Provided is an electronic device which prevents a deformed shape from appearing on a window surface of a display even when a support layer attached to the display is deformed by an external force. The electronic device comprises: a housing including a front plate facing a first direction, a rear plate facing a second direction opposite to the first direction, and a lateral member surrounding a space between the front plate and the rear plate; a display configured to be seen through at least a portion of the front plate, and including a first surface facing the first direction, and a second surface facing the second direction; a middle plate disposed between the display and the rear plate, and including a third surface facing the second surface of the display, and a recess formed on the third surface; an adhesive layer attached to the second surface of the display and including a fourth surface facing the first direction and a fifth surface facing the second direction; a coating layer formed on the fifth surface of the adhesive layer and disposed on a first region overlapping the recess when viewed from the top of the display; and a support layer disposed between the adhesive layer and the middle plate. Various other embodiments are possible.

IPC 8 full level

G06F 1/16 (2006.01); **C09J 7/00** (2018.01); **H04M 1/02** (2006.01)

CPC (source: EP KR US)

C09J 7/00 (2013.01 - KR); **G06F 1/1616** (2013.01 - EP); **G06F 1/1628** (2013.01 - KR); **G06F 1/1652** (2013.01 - EP KR); **H04M 1/0216** (2013.01 - EP); **H04M 1/0268** (2013.01 - EP US); **G06F 2203/04102** (2013.01 - KR); **H05K 2201/05** (2013.01 - KR)

Citation (search report)

- [XY] EP 3330832 A1 20180606 - SAMSUNG ELECTRONICS CO LTD [KR]
- [YA] US 9348450 B1 20160524 - KIM JUN HYUNG [KR]
- [A] US 2017233606 A1 20170817 - PARK YOUNGSANG [KR], et al
- [A] US 2018097199 A1 20180405 - JO HEUNGJU [KR], et al
- See references of WO 2020138885A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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